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List of Patent and Publications
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Docket No.
UPN-3904 Serial No.
09/648,306

Applicant
Cameron J. Koch et al.

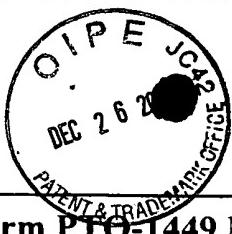
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<i>ANW</i>	AA	Adams, "Hypoxia-Mediated Drugs for Radiation and Chemotherapy", <i>Cancer</i> , 1981, 48, 696-707
<i>ANW</i>	AB	Beaman et al., "Studies in the nitromidazole series. III. 2-Nitro-imidazole derivatives substituted in the 1-position", <i>Chemical Abstract</i> 71(5): 22065t, 1967, p. 22060
<i>ANW</i>	AC	Chapman et al., "The Fraction of Hypoxic Clonogenic Cells in Tumor Populations", <i>Biol. Bases Clin. Imp. Tum. Rad.</i> , G.H. Fletcher, C. Nevil, & H.R. Withers, (eds.), 1983, 61-73
<i>ANW</i>	AD	Chapman et al., "Keynote Address: Cellular Reduction of Nitroimidazole Drugs: Potential for Selective Chemotherapy and Diagnosis of Hypoxic Cells", <i>Int. J. Radiation Oncol. Biol. Phys.</i> , 1989, 16, 911-917
<i>ANW</i>	AE	Franko et al., "Oxygen Supply to Spheroids in Spinner and Liquid-Overlay Culture", Recent Results in <i>Cancer Res.</i> in 94" Culture of Cellular Spheroids 62, 1984, 95, 162-167
<i>ANW</i>	AF	Grunberg et al., "Antiprotozoan and antibacterial activity of 2-nitro-imidazole derivatives", <i>Chemical Abstract</i> 70(3):10175v, 1968, p. 10174
<i>ANW</i>	AG	Heindel et al., "Macromolecular Attachment as a Metabolic Stabilizer for a Labile Radiosensitizer", <i>J. Pharm. Sci.</i> , 1987, 76(5), 384-386
<i>ANW</i>	AH	Kohler et al., "Continuous cultures of fused cells secreting antibody of predefined specificity", <i>Nature</i> , 1975, 256, 495-497
<i>ANW</i>	AI	Knauf et al., "Monoclonal antibodies against human ovarian tumor associated antigen NB/70K: Preparation and use in a radioimmunoassay for measuring NB/70K in serum", <i>Cancer Immunol. Immunother.</i> , 1986, 21, 217-225
<i>ANW</i>	AJ	Raleigh et al., "Reductive Fragmentation of 2-Nitroimidazoles: Amines and Aldehydes", <i>Int. J. Radiation Oncol. Biol. Phys.</i> , 1984, 10, 1337-1340
<i>ANW</i>	AK	Raleigh et al., "Fluorescence immunohistochemical detection of hypoxic cells in spheroids and tumours," <i>Br. J. Cancer</i> , 1987, 56, 395-400

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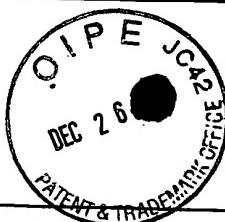
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<i>SNW</i>	AM	Urtasun et al., "A novel technique for measuring human tissue pO ₂ at the cellular level", <i>Br. J. Cancer</i> , 1986 , 54, 453-457
<i>SNW</i>	AN	Varghese et al., "Binding to Cellular Macromolecules as a Possible Mechanism for the Cytotoxicity of Misonidazole", <i>Cancer Res.</i> , 1980 , 40, 2165-2169
<i>SNW</i>	AO	Lord, et al., "Detection of Hypoxic Cells by Monoclonal Antibody Recognizing 2-Nitroimidazole Adducts", <i>Cancer Res.</i> , 1993 , 53, 5721-5726
<i>SNW</i>	AP	Franko, A.J. et al., "Oxygen dependence of binding of misonidazole to rodent and human tumors in vitro", <i>Cancer Res.</i> , 1987 , 47, 5367-5376
<i>SNW</i>	AQ	Harwell et al., <i>J. Immunol. Methods</i> , 1984 , 66, 59-67
<i>SNW</i>	AR	Kennedy et al., <i>Biochem. Pharm.</i> , 1980 , 29, 1-8
<i>SNW</i>	AS	Koch, C.J., "A thin-film culturing technique allowing rapid gas-liquid equilibration (6 seconds) with no toxicity to mammalian cells", <i>Radiat. Res.</i> , 1984 , 97, 434-442
<i>SNW</i>	AT	Koch, C.J. et al., "Metabolism induced binding of 14C-misonidazole to hypoxic cells: kinetic dependence on oxygen concentration and misonidazole concentration", <i>Int. J. Radiation Oncology Biol. Phys.</i> , 1984 , 10, 1327-1332
<i>SNW</i>	AU	Koch, C.J. et al., "Radiolytic Reduction of Protein and Nonprotein Disulfides in the Presence of Formate: A Chain Reaction", <i>Arch. Biochem. Biophys.</i> , 1991 , 287, 75-84
<i>SNW</i>	AV	Moulder, J.E. et al., "Hypoxic fractions of solid tumors: experimental techniques, methods of analysis and a survey of existing data", <i>Int. J. Radioat. Oncol. Biol. Phys.</i> , 1984 , 10, 695-712
<i>SNW</i>	AW	Parliament et al., "Non-invasive assessment of human tumour hypoxia with ¹²³ I-iodoazomycin arabinoside: preliminary report of a clinical study", <i>Br. J. Cancer</i> , 1992 , 65, 90-95

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<i>ANW</i>	AY	Koch, C.J., "The reductive activation of nitroimidazoles; modification by oxygen and other redox-active molecules in cellular systems", <i>Selective Activation of Drugs by Redox Processes</i> , 1990 , <i>NATO Series A</i> 198 , 237-247
<i>ANW</i>	AZ	Arteel, GE et al., "Evidence that hypoxia markers detect oxygen gradients in liver: pimonidazole and retrograde perfusion of rat liver", <i>British J. Cancer</i> , 1995 , <i>72</i> (4), 889-895
<i>ANW</i>	BA	Raleigh et al., "Importance Of Thiols In The Reductive Binding of 2-Nitroimidazoles to Macromolecules", <i>Biochem. Pharmacol.</i> , 1990 , <i>40</i> , 2457-2464
	BB	"Oxygen Concentration Determined Non-Invasively", <i>Biomed. Products</i> , 1992 , <i>17</i> (12), 31
<i>ANW</i>	BC	Tewson, T.J., "Synthesis of [¹⁸ F] Fluoroetanidazole: a potential new tracer for imaging hypoxia", <i>Nucl. Med. Biol.</i> , 1997 , <i>24</i> (8), 755-760
<i>ANW</i>	BD	Hamacher et al., "Efficient Stereospecific Synthesis of No-Carrier-Added 2-[¹⁸ F]-Fluoro-2-Deoxy-D-Glucose Using Aminopolyether Supported Nucleophilic Substitution", <i>J. Nucl. Med.</i> , 1986 , <i>27</i> (2), 235-238
<i>ANW</i>	BE	Adams, G.E., "Selective Activation of Drugs by Redox Processes", <i>NATO Series A</i> 198 , 1990
<i>ANW</i>	BF	Bialik, S. et al., "Myocyte apoptosis during acute myocardial infarction in the mouse localizes to hypoxic regions but occurs independently of p53", <i>J. Clin. Investig.</i> , 1997 , <i>100</i> , 1363-1372
<i>ANW</i>	BG	Brizel, D.M. et al., "Tissue oxygenation predicts for the likelihood of distant metastases in human soft tissue sarcoma", <i>Cancer Res.</i> , 1996 , <i>56</i> , 941-943

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<i>SNW</i>	BI	Brizel, D.M. et al., "Tumor hypoxia adversely affects the prognosis of carcinoma of the head and neck", <i>Int. J. Radiat. Oncol. Biol. Phys.</i> , 1997 , 38, 285-289
<i>SNW</i>	BJ	Brown, J.M. et al., "SR-2508: a 2-nitroimidazole amide which should be superior to misonidazole as a radiosensitizer for clinical use", <i>Int. J. Radiat. Oncol. Biol. Phys.</i> , 1981 , 7, 695-703
<i>SNW</i>	BK	Cater, D.B. et al., "Quantitative measurements of oxygen tensions in normal tissues and in the tumors of patients before and after radiotherapy", <i>Acta. Radiol.</i> , 1960 , 23, 233-256
<i>SNW</i>	BL	Chapman, J.D. et al., "Characteristics of the metabolism-induced binding of misonidazole to hypoxic mammalian cells", <i>Cancer Res.</i> , 1983 , 45, 1523-1528
<i>SNW</i>	BM	Clyman, R.I. et al., "Permanent anatomic closure of the newborn ductus arteriosus: the roles of postnatal constriction, hypoxia and gestation", <i>New Eng. J. Med.</i> , Submitted, 1997
<i>SNW</i>	BN	Cobb, L.M. et al., "Microscopic distribution of misonidazole in mouse tissues", <i>Br. J. Cancer</i> , 1989 , 59, 12-16
<i>SNW</i>	BO	Cobb, L.M. et al., "Retention of misonidazole in normal and malignant tissues: interplay of hypoxia and reductases", <i>Int. J. Rad. Onc. Biol. Phys.</i> , 1992 , 22, 655-659
<i>SNW</i>	BP	Coleman, C.N. et al., "Relationship between the neurotoxicity of the hypoxic cell radiosensitizer SR 2508 and the pharmacokinetic profile", <i>Cancer Res.</i> , 1987 , 47, 319-322
<i>SNW</i>	BQ	Coleman, C.N. et al., "Initial pharmacology and toxicology of intravenous desmethylmisonidazole", <i>Int. J. Radiat. Oncol. Biol. Phys.</i> , 1982 , 8, 371-375
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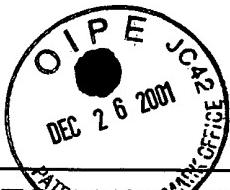
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<i>SNW</i>	BS	Evans, S.M. et al., "Evaluation of the concept of "hypoxic fraction" as a descriptor of tumor oxygenation status", <i>Adv. Exptl. Biol. Med.</i> , In Press, 1995
<i>SNW</i>	BT	Evans, S.M. et al., "Tamoxifen induces hypoxia in MCF-7 xenografts", <i>Cancer Res.</i> , In Press, 1997
<i>SNW</i>	BU	Evans, S.M. et al., "Radiation response and other characteristics of the 9L rat glioma grown as an epigastric tissue isolate", <i>Radiat. Oncol. Invest.</i> , 1994, 2, 134-143
<i>SNW</i>	BV	Evans, S.M. et al., "Imaging hypoxia in diseased tissues", <i>Adv. Exptl. Biol. Med.</i> , In Press, 1996
<i>SNW</i>	BW	Evans, S.M. et al., "Identification of hypoxia in cells and tissues of epigastric 9L rat glioma using EF5 [2-(2-nitro-1H-imidazol-1-yl)-N-(2,2,3,3,3-pentafluoropropyl)acetamide]", <i>Br. J. Cancer</i> , 1995, 72, 875-882
<i>SNW</i>	BX	Evans, S.M. et al., "2-nitroimidazole (EF5) binding predicts radiation sensitivity in individual 9L subcutaneous tumors", <i>Cancer Res.</i> , 1996, 56, 405-411
<i>SNW</i>	BY	Franko, A.J. et al., "Binding of misonidazole to V79 spheroids and fragments of Dunning rat prostate and human colon carcinoma in vitro: diffusion of oxygen and reactive metabolites", <i>Int. J. Radiat. Oncol. Biol. Phys.</i> , 1984, 10, 1333-1337
<i>SNW</i>	BZ	Garrecht, B.M. et al., "The labelling of EMT-6 tumors in Balb/c mice with 14C-misonidazole", <i>Brit. J. Radiol.</i> , 1983, 56, 745-753
<i>SNW</i>	CA	Gatenby, R.A. et al., "Oxygen tension in human tumors: in vivo mapping using CT-guided probes", <i>Radiol.</i> , 1985, 156, 211-214
<i>SNW</i>	CB	Gatenby, R.A. et al., "Oxygen distribution in squamous cell carcinoma metastases and its relationship to outcome of therapy", <i>Int. J. Radiat. Oncol. Biol. Phys.</i> , 1988, 14, 831-838

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<i>ANW</i>	CD	Hirst, D.G. et al., "Changes in misonidazole binding with hypoxic fraction in mouse tumors", <i>Int. J. Radiat. Biol. Oncol. Phys.</i> , 1984 , 11, 1349-1355
<i>ANW</i>	CE	Hockel, M. et al., "Association between tumor hypoxia and malignant progression in advanced cancer of the uterine cervix", <i>Cancer Res.</i> , 1996 , 56, 4509-4515
<i>ANW</i>	CF	Hockel, M. et al., "Intratumor pO2 predicts survival in advanced cancer of the uterine cervix", <i>Radiotherapy and Oncology</i> , 1993 , 26, 45-50
<i>ANW</i>	CG	Hodgkiss, R.J. et al., "Flow cytometric evaluation of hypoxic cells in solid experimental tumours using fluorescence immunodetection", <i>Br. J. Cancer</i> , 1991 , 63, 119-125
<i>ANW</i>	CH	Horsman, M.R. et al., "Relationship between radiobiological hypoxia and direct estimates of tumour oxygenation in a mouse tumour model", <i>Radiother. Oncol.</i> , 1993 , 28, 69-71
	CI	Horsman, M.R., "Lack of correlation with eppendorf", 1996
<i>ANW</i>	CJ	Kennedy, K.A. et al., "Preferential activation of mitomycin C to cytotoxic metabolites by hypoxic tumor cells", <i>Cancer Res.</i> , 1980 , 40, 2356-2360
<i>ANW</i>	CK	Koch, C.J. et al., "Cysteine concentrations in rodent tumors: unexpectedly high values may cause therapy resistance", <i>Int. J. Cancer</i> , 1996 , 67, 661-667
<i>ANW</i>	CL	Koch, C.J. et al., "Oxygen dependence of cellular uptake of EF5 [2-(2-nitro-1H-imidazol-1-yl)-N-(2,2,3,3,3-pentafluoropropyl)acetamide]: analysis of drug adducts by fluorescent antibodies vs bound radioactivity", <i>Br. J. Cancer</i> , 1995 , 72, 869-874
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<i>SNW</i>	CQ	Laughlin, K.M. et al., "Biodistribution of the nitroimidazole EF5 [2-(2-nitro-iH-imidazole-yl)-N-(2,2,3,3,3,-pentafluoropropyl)-acetamide] in mice bearing subcutaneous EMT6 tumors", <i>J. Pharmacol. Exptl. Therapeut.</i> , 1996, 277, 1049-1057
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<i>SNW</i>	CS	Matthews, J. et al., "Immunocytochemical labelling of aerobic and hypoxic mammalian cells using a platinated derivative of EF5", <i>Brit. J. Cancer</i> , 1996, 73, S200-S203
<i>SNW</i>	CT	Nordsmark, M. et al., "Pretreatment oxygenation predicts radiation response in advanced squamous cell carcinoma of the head and neck", <i>Radioth. and Oncol.</i> , 1996, 41, 31-39
<i>SNW</i>	CU	Nozue, M. et al., "Interlaboratory variation in oxygen tension measurement by Eppendorf "Histogram" and comparison with hypoxic marker", <i>J. Surg. Oncol.</i> , 1997, 66, 30-38
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<i>SNW</i>	CW	Olive, P.L. et al., "Hypoxic fractions measured in murine tumors and normal tissues using the comet assay", <i>Int. J. Radiat. Oncol. Biol. Phys.</i> , 1994, 29, 487-491

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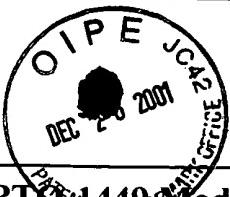
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<i>ANW</i>	DD	Stone, H.B. et al., "Oxygen in human tumors: Correlations between Methods of Measurement and Response to Therapy", <i>Radiat. Res.</i> , 1993, 136, 422-434		
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<i>ANW</i>	DJ	Woods, M.R. et al., "Detection of individual hypoxic cells in multicellular spheroids by flow cytometry using the 2-nitroimidazole EF5, and monoclonal antibodies", <i>Int. J. Radiat. Oncol. Biol. Phys.</i> , 1996 , 34, 93-101		
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<i>ANW</i>	DP	4,977,273	12/1990	Kagiya et al.	548	339
<i>ANW</i>	DQ	5,086,068	02/1992	Raleigh et al.	514	398
<i>ANW</i>	DR	5,030,036	07/09/91	Huff et al.	405	266
<i>ANW</i>	DS	4,371,540	02/01/83	Lee et al.	424	273 R
<i>ANW</i>	DT	4,797,397	01/10/89	Suto et al.	514	212
<i>ANW</i>	DU	4,927,941	05/22/90	Kagiya et al.	548	264.8
<i>ANW</i>	DV	4,977,273	12/90	Kagiya et al.	548	339
<i>ANW</i>	DW	5,086,068	02/92	Raleigh et al.	514	398
<i>ANW</i>	DX	5,304,654	04/19/94	Kagiya et al.	548	327.5
<i>ANW</i>	DY	5,540,908	07/30/96	Koch, et al.	424	934
<i>ANW</i>	DZ	5,843,404	12/01/98	Koch, et al.	424	934
<i>ANW</i>	EA	3,505,349	04/07/70	Beaman, et al.	260	309
<i>ANW</i>	EB	5,721,265	02/24/98	Tracy, et al.	514	396
EXAMINER <i>Donya Wright</i>				DATE CONSIDERED <i>3-27-02</i>		